

Program Registration & Fees:

The operator training program has changed the registration process to an electronic format that facilitates online registration and payment options, including credit cards. This format also allows participants to create and manage their own student records to track class participation and print completion certificates.

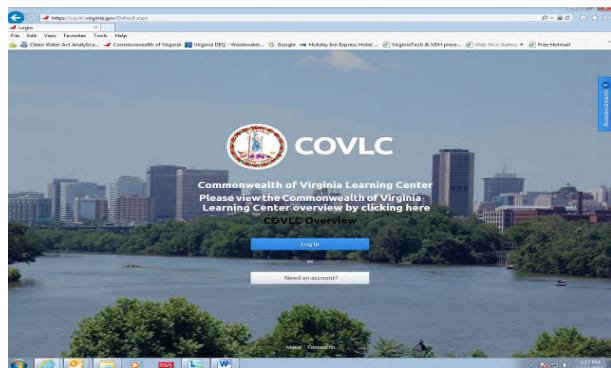
The online method must be used to register for all wastewater operator training workshops. No paper registration forms will be accepted; however payment by check will still be acceptable option.

Virginia Learning Center (VLC) Registration:

DEQ's Virginia Learning Center (VLC) is an online Learning Management System that can be used to enroll in classroom courses, launch online training and access other useful learning resources. If you already have a profile in the old knowledge center (KC) database, use your username and password to login to the VLC.

In order to create your profile in the VLC, kindly follow the link below:

<https://covlc.virginia.gov>



Once a profile has been created and an online ID has been selected you will be granted access to the VLC to begin monitoring your training activities.

For additional information regarding the registration process contact DEQ program staff.

Program Content:

Current programs have been selected based on identified needs and location availability. These programs and others are offered periodically, at different locations, throughout the year. If you would like to receive notification, by email, contact the operator training program staff.

Complete descriptions of the training programs are available upon request.

Program Approval:

Unless otherwise noted, these courses have been approved by the Virginia Board for Waterworks and Wastewater Works Operators and Onsite Sewage System Professionals for training credits. Approved programs can, when applicable, be used as substitution for required operational experience.

Continuing Professional Education (CPE):

Where appropriate, these workshops can be used for continuing professional education (CPE) requirements as defined by the Board. Registrants will typically receive up to 7 contact hours for each full day of completed training and 3.5 contact hours for each ½ day of completed training.

A full day is defined as 8:30 am – 4:30 pm minus 1 hour for lunch. A ½ day is defined as 8:30am – 12 noon (or 1:00pm – 4:30pm).

Additional Information:

For additional program information contact DEQ program staff:

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Wastewater Operator Training Programs



Fall 2018

Operator Training and Assistance Program
Water Permitting Division
Department of Environmental Quality
P.O. Box 1105
Richmond, Virginia 23218

DEQ, Wastewater Operator Training Course List
Fall 2018

Course #	Course Name	Dates	Location	Price
DEQ 13	Activated Sludge Process Control, Part 1 (Observations and Testing)	October 10 - 11, 2018 8:30 AM - 4:30 PM	Wolf Creek WWTP Abingdon, VA	\$150.00
DEQ 23	WWTP Energy Optimization	November 7, 2018 8:30 AM - 4:30 PM	Totopotomoy WWTP Mechanicsville, VA	\$75.00
DEQ 23	WWTP Energy Optimization	November 14, 2018 8:30 AM - 4:30 PM	Arlington WPCP Arlington, VA	\$75.00

Course Descriptions:

DEQ 13: Activated Sludge Process Control (ASPC), Part 1

This two (2) day workshop provides the knowledge and skills required to monitor and adjust the operation of an activated sludge treatment plant. The program will focus on basic concepts, process observations, basic process control testing (i.e., settled sludge volume, dissolved oxygen and pH), recordkeeping and data interpretation. The program's hands on activities will include observation of an activated sludge system, collection and analysis of process control samples, and data analysis. Managers, operators and operator trainees of activated sludge treatment systems will find this program very helpful.

DEQ 23: Wastewater Treatment Plant Energy Optimization

This one (1) day workshop provides wastewater treatment plant operators and managers the tools necessary to conduct an energy audit of their facilities. The participants will learn the key components of an energy management plan and why energy optimization is a concern for wastewater operators. To conduct an energy audit the operator must understand the importance of documenting a baseline of energy use for the overall facility and specific equipment along with how to understand the electric bill. The program will discuss energy saving measures that may be implemented to save energy and money and may also improve the removal of nitrogen and phosphorus. Hands-on examples will be provided and the participants will learn the math needed to determine what equipment costs to calculate and how to determine approximate cost savings from an energy saving project. How to finance an energy efficient project with the funds saved on energy will also be discussed. ***This class qualifies for Utility Management CPE contact hours.**